

Title (en)  
AN ANTENNA UNIT WITH A MULTILAYER STRUCTURE

Title (de)  
ANTENNENEINHEIT MIT MEHRSCICHTSTRUKTUR

Title (fr)  
UNITE ANTENNE DE STRUCTURE MULTICOUCHE

Publication  
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Application  
**EP 98946748 A 19980918**

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Abstract (en)  
[origin: WO9917397A1] The present invention relates to an antenna unit (101) capable of operating in a satellite communication mode. The antenna unit (101) comprises interleaved circular patches for transmitting (102) and receiving (103) radio signals periodically arranged in a first and a second layer. The patches for transmitting (102) in the first layer are arranged in a first lattice (104) and the patches for receiving (103) in the second layer are arranged in a second lattice (105). The first lattice (104) is interleaved with the second lattice (105). Every other patch for transmitting (102) in the first layer has a corresponding patch for receiving (103) in the second layer, where each of the patches for receiving (103) is arranged in such a way that a centre axis of the patches for receiving (103) coincides with a centre axis of the corresponding patch for transmitting (102).

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